

Fig.1 Natural brassinosteroids.

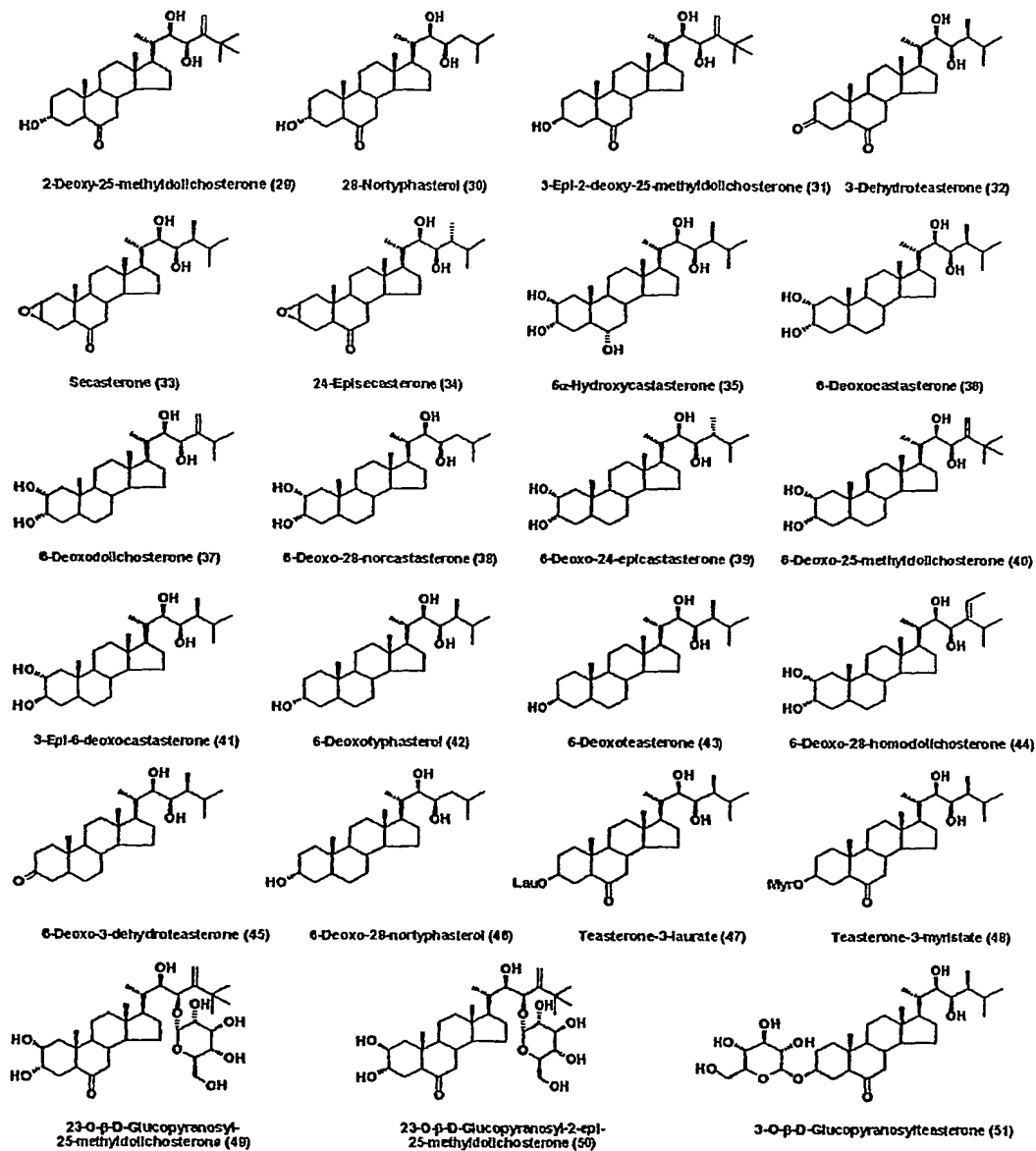


Fig. 2 Natural brassinosteroids (continued).

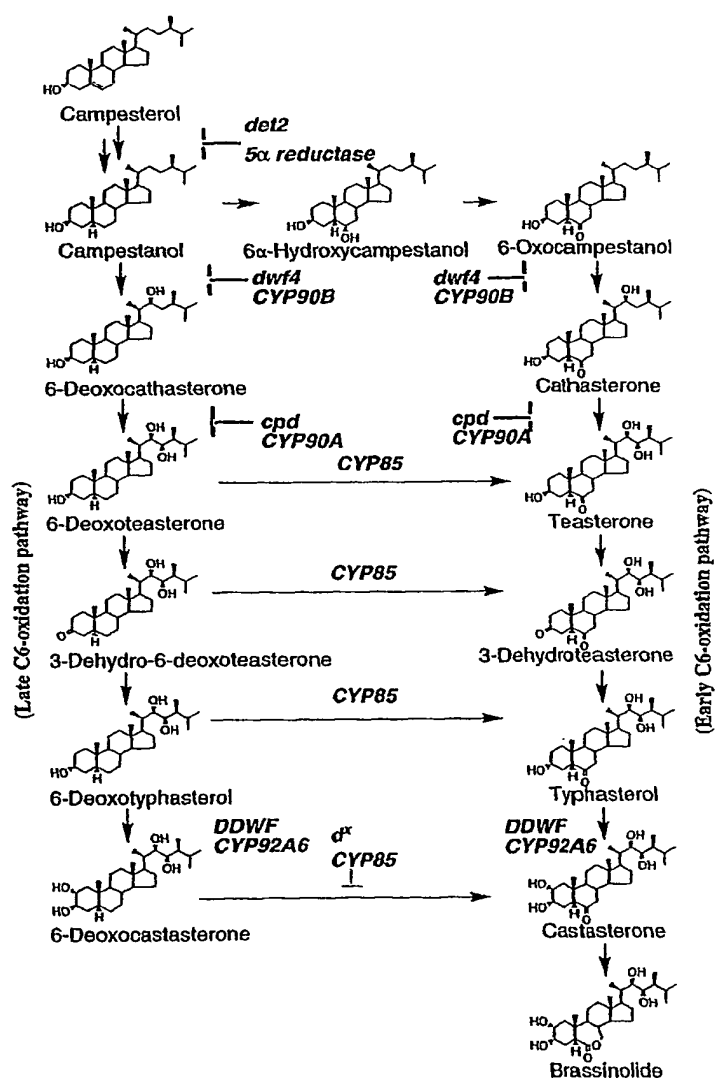


Fig. 3

```

DOGT1      : MVSETKSSPL-----HEVLEFPPMAQGHMIFMVDIARLLAQKGVLIITIVTTPHAAAREKKNVLNRAIES-GLPINLVQVKFPYL: 77
Vigna_ADGT9 : MVLQTNVNP-----HEVLEFPPMAQGHMIFMVDIARILAQKGVLIITIVTTPHAAAREKKNVLNRAIES-GLKIRLVQLNEPSK: 75
Nicotiana_TOGT1 : MG-----QL-----HFFFPVWAHGHMIPITLDMAKLFASRGVKATITITPLNEFVFSKAIQRN-KHLGIEIEIRLIKEPAV: 70
Nicotiana_Is5a : MG-----QL-----HFFFPVWAHGHMIPITLDMAKLFASRGVKATITITPLNEFVFSKAIQRN-KHLGIEIEIRLIKEPAV: 70
Oryza_AP002523 : MSSAGHAVDQQRKSTTMKAHEVLEFPPMAQGHMIFMVDIARLLAQKGVLIITIVTTPHAAAREKKNVLNRAIES-GLPINLVQVKFPYL: 85
Lycopersicon_Twil : HFFFPDQAQGHMIPITLDMANVAVACRGVKATITITPLNESVFSKAIQRN-KHLGIEIEIRLIKEPAK: 66
Dorotheanthus_50GT : HGVFEPFLAHGHMIPSLDIANKLFAARGVKITITITPLNPMASMETKAIKTRKNTTQMEIEVFSFPSE: 77

DOGT1      : EAGLQEGQENIDSLDTMERMIPREKAVNLEEPVQKLIIEEMNRPSPCLISDFCLPVTSTKIAKKENIPKILFHHGMGCFCLLCMHVLR: 163
Vigna_ADGT9 : EAGLREGCENLDMVSSND-MSKIFQVIHMPQKPAEEFFQTLTPKPSCLISDFCLPVTSTKIAKKENIPKILFHHGMGCFCLLCMHVLR: 160
Nicotiana_TOGT1 : ENGLPEECERLDQIPSDKLPNFEKAVAMMDEPLEQLIEE--CRPDCLISDMFLPMTTDTAAKENIPRIIVEFHGTSFFALCVENSVR: 154
Nicotiana_Is5a : ENGLPEECERLDQIPSDKLPNFEKAVAMMDEPLEQLIEE--CRPDCLISDMFLPMTTDTAAKENIPRIIVEFHGTSFFALCVENSVR: 154
Oryza_AP002523 : EFGLPDGCENLDMIQSRDLNRNMEACGALREPLTARLRQLCPSPCLISDMVQWMTGETARELGIPRLTDEGCTEASLARYIIF: 171
Lycopersicon_Twil : ENDLPEDCERLDLPSSDDKLPNFKAAAMMKDEFEEELIGE--CRPDCLVSDMFLPMTTDSAAKESIPRIIVEFHGTSYFALCVGDTIR: 150
Dorotheanthus_50GT : EAGLPLGCENLEQAMAIGANNEPFNANILKEQLENFLVK--TRPNCLVADMEFTMAADSTAKENIPTLVEHGFSEFEAQCAKEVMM: 161

DOGT1      : KNREILDNLKSDKELFTVPDFPDRAVEFFRTOQPV-ETYVPAGDWKDI FDGMVEANETSYGVIIVNSFOELEPAAYAKDY-KEVRSQKA: 247
Vigna_ADGT9 : TS-DFCRSITSESKYFTIPGIPDKIQVTKEQLPG-SLATDLDDFKD--QVRDAEKKSYGVIIVNTFWRVGEICGEGESRRLLKNNKA: 241
Nicotiana_TOGT1 : LNKPF-KNVSSDSETFVVPDLPHBKILTRTOVSPFFERSGEETAMTRMIKTVPRESDSKSYGVVFNSEYELETDVVEHYTKVL-GRRA: 238
Nicotiana_Is5a : LNKPF-KNVSSDSETFVVPDLPHBKILTRTOVSPFFERSGEETAMTRMIKTVPRESDSKSYGVVFNSEYELETDVVEHYTKVL-GRRA: 238
Oryza_AP002523 : RDK-LLDNVA-DEELVTFSGFPMLEBPKARCPG--SLCVPGMEQIRDKMYEEELQSDGNMNSFOELETLYESEQ-ITGKKV: 251
Lycopersicon_Twil : RNKPF-KNVSSDSETFVVPDLPHBKILTRTOVSPFFERSGEETAMTRMIKTVPRESDSKSYGVVFNSEYELETDVVEHYTKVL-GRKN: 234
Dorotheanthus_50GT : RYKPY-KAVSSDTEVSLPFLPHBKILTRTOVSPESMRKGEETHFTKRTERIRELERKSYGVIIVNSFOELEPDYADFLRKEL-GRRA: 245

```

Fig.4

5/5

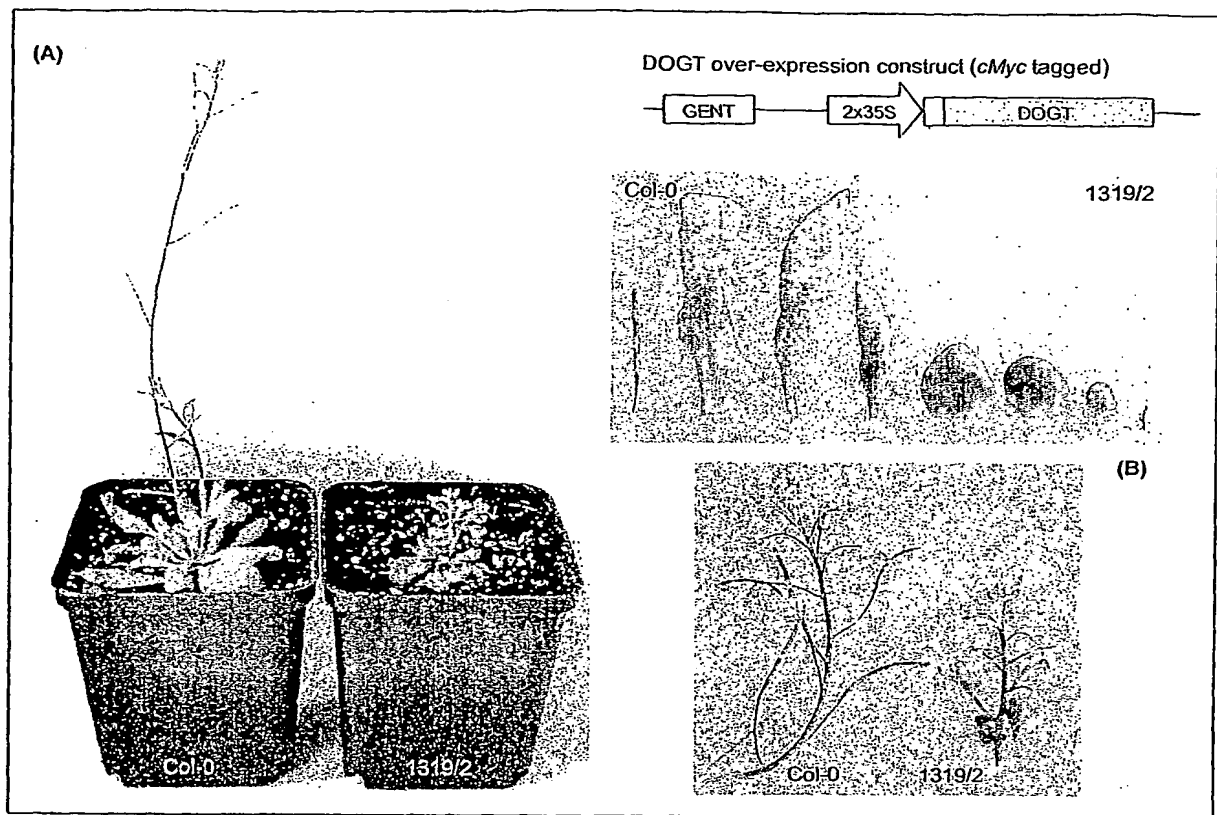


Fig. 5

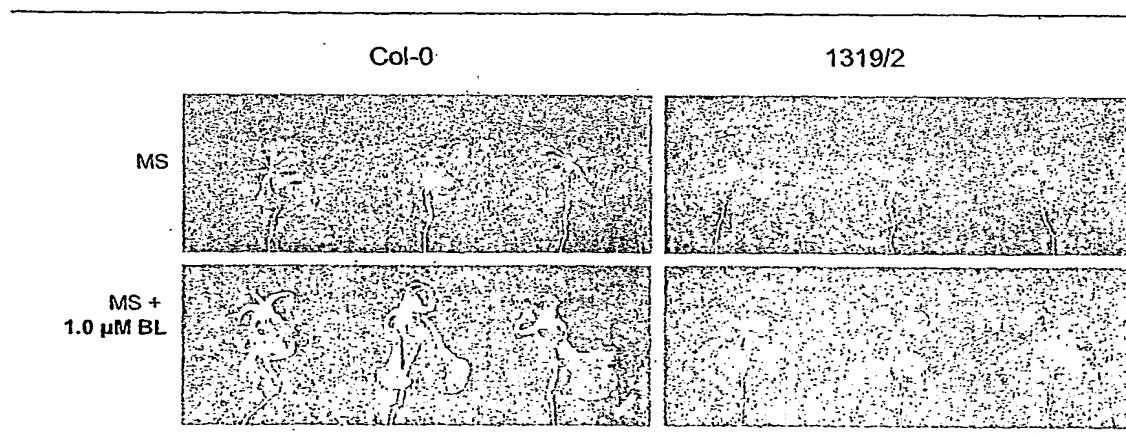


Fig. 6